WEST Search History

DATE: Thursday, March 27, 2003

Set Name side by side	Query	Hit Count	Set Name result set
DB=US	PT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ	•	
L1	titania same silica	48286	L1
L2	11 and (platinum or palladium or precious metal)	11130	L2
L3	11 same (platinum or palladium or precious metal)	2271	L3
L4	L3 same (tungsten with (oxide or dioxide))	208	L4
L5	L4 and catalyst	168	L5
L6	L4 and catalyst composite	14	L6

END OF SEARCH HISTORY

Generate Collection

Print

Search Results - Record(s) 1 through 14 of 14 returned.

1. Document ID: US 6086749 A

L6: Entry 1 of 14

File: USPT

Jul 11, 2000

US-PAT-NO: 6086749

DOCUMENT-IDENTIFIER: US 6086749 A

TITLE: Catalyst and method for hydroprocessing a hydrocarbon feed stream in a

reactor containing two or more catalysts

DATE-ISSUED: July 11, 2000

INVENTOR-INFORMATION:

CITY STATE ZIP CODE COUNTRY NAME

Kramer; David C. San Anselmo CA CA Stangeland; Bruce E. Berkeley

US-CL-CURRENT: 208/213; 208/108, 208/110, 208/112, 208/216R, 208/217, 208/251H,

208/254H

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWC

2. Document ID: US 5114902 A

L6: Entry 2 of 14

File: USPT

May 19, 1992

US-PAT-NO: 5114902

DOCUMENT-IDENTIFIER: US 5114902 A

TITLE: Process of making supported catalyst

DATE-ISSUED: May 19, 1992

INVENTOR-INFORMATION:

STATE ZIP CODE COUNTRY NAME CITY

Schwarz; James A. Fayetteville NY Melvindale Subramanian; Somasundaram MI

US-CL-CURRENT: 502/334; 502/242, 502/254, 502/262, 502/308, 502/313, 502/332,

502/335, 502/336

Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC

3. Document ID: US 4956509 A

L6: Entry 3 of 14 File: USPT Sep 11, 1990

US-PAT-NO: 4956509

DOCUMENT-IDENTIFIER: US 4956509 A

TITLE: Integrated paraffin upgrading and catalytic cracking processes

DATE-ISSUED: September 11, 1990

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Harandi; Mohsen N.

Lawrenceville

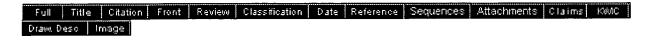
ŊJ

Owen; Hartley

Belle Mead

NJ

US-CL-CURRENT: 585/300; 208/78, 585/301, 585/304, 585/910



4. Document ID: US 4014821 A

L6: Entry 4 of 14

File: USPT

Mar 29, 1977

US-PAT-NO: 4014821

DOCUMENT-IDENTIFIER: US 4014821 A

TITLE: Heavy crude conversion catalyst

DATE-ISSUED: March 29, 1977

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Hamner; Glen P.

Baton Rouge

LA

US-CL-CURRENT: 502/313; 208/216PP, 208/216R, 208/217, 502/305

Full Title Citation Front Review Classification Date Reference Sequences Attachments

Draw Desc Image

k50đC

5. Document ID: US 3998722 A

L6: Entry 5 of 14

File: USPT

Dec 21, 1976

US-PAT-NO: 3998722

DOCUMENT-IDENTIFIER: US 3998722 A

TITLE: High temperature hydroconversion without incompatibles formation

DATE-ISSUED: December 21, 1976

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Mayer; Francis X. Baton Rouge LΑ 70808 LΑ 70806 Taylor, Jr.; James H. Baton Rouge Baton Rouge LΑ 70816 Mueller; David E. LΑ 70810 Sawyer; Willard H. Baton

US-CL-CURRENT: 208/112; 208/154, 208/157, 208/159, 208/216PP, 208/216R, 208/251H, 208/264, 502/314

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWC |
Draws Desc | Image |

6. Document ID: US 3993601 A

L6: Entry 6 of 14

File: USPT

Nov 23, 1976

US-PAT-NO: 3993601

DOCUMENT-IDENTIFIER: US 3993601 A

TITLE: Process for preparing a heavy crude conversion catalyst

DATE-ISSUED: November 23, 1976

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Long; Fred M. Baton Rouge LA Sawyer; Willard H. Baton Rouge LA

US-CL-CURRENT: 502/303; 502/302, 502/322, 502/323, 502/327, 502/332, 502/335,

502/355, 502/439

Full Title Citation Front Review Classification Date Reference Sequences Attachments

Draw, Desc | Image |

7. Document ID: US 3993599 A

L6: Entry 7 of 14

File: USPT

Nov 23, 1976

KMIC

US-PAT-NO: 3993599

DOCUMENT-IDENTIFIER: US 3993599 A

TITLE: Process for preparing a heavy crude conversion catalyst

DATE-ISSUED: November 23, 1976

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Mattox; William J. Baton Rouge LA

US-CL-CURRENT: 502/303; 502/302, 502/314, 502/322, 502/323, 502/327, 502/332,

502/335, 502/355, 502/439

Full Title Citation Front Review Classification Date Reference Sequences Attachments KWC Draw, Desc Image

8. Document ID: US 3993598 A

L6: Entry 8 of 14

File: USPT

Nov 23, 1976

US-PAT-NO: 3993598

DOCUMENT-IDENTIFIER: US 3993598 A

TITLE: Process for preparing a heavy crude conversion catalyst

DATE-ISSUED: November 23, 1976

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Arey, Jr.; William F.

Baton Rouge

Sawyer; Willard H.

Baton Rouge

LΑ LΑ

Hamner; Glen P.

Baton Rouge

LA

US-CL-CURRENT: 502/303; 502/302, 502/308, 502/314, 502/327, 502/332, 502/335

Full Title Citation Front Review Classification Date Reference Sequences Attachments Draw, Desc | Image |

9. Document ID: US 3989645 A

L6: Entry 9 of 14

File: USPT

Nov 2, 1976

US-PAT-NO: 3989645

DOCUMENT-IDENTIFIER: US 3989645 A

TITLE: Process for preparing a heavy crude conversion catalyst

DATE-ISSUED: November 2, 1976

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Long; Fred M.

Baton Rouge

LΑ

Sawyer; Willard H.

Baton Rouge

LΑ

US-CL-CURRENT: 502/303; 502/322, 502/332, 502/335, 502/439

Title Citation Front Review Classification Date Reference Sequences Attachments Draw. Desc | Image |

KMIC

10. Document ID: US 3985684 A

L6: Entry 10 of 14

File: USPT

Oct 12, 1976

US-PAT-NO: 3985684

DOCUMENT-IDENTIFIER: US 3985684 A

TITLE: Heavy crude conversion

DATE-ISSUED: October 12, 1976

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Arey, Jr.; William F.

Baton Rouge

Hamner; Glen P. Sawyer; Willard H. Baton Rouge . Baton Rouge

LΑ LΑ

LА

US-CL-CURRENT: 502/308

Full Title Citation Front Review Classification Date Reference Sequences Attachments Draw. Desc Image

K000C

11. Document ID: US 3977962 A

L6: Entry 11 of 14

File: USPT

Aug 31, 1976

US-PAT-NO: 3977962

DOCUMENT-IDENTIFIER: US 3977962 A

TITLE: Heavy crude conversion

DATE-ISSUED: August 31, 1976

INVENTOR - INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Arey, Jr.; William F.

Baton Rouge

T.A LΑ

Hamner; Glen P.

Baton Rouge

LA

Sawyer; Willard H. Baton Rouge

US-CL-CURRENT: 208/59; 208/112, 208/251H, 208/264, 502/308, 502/311, 502/325

Full Title Citation Front Review Classification Date Reference Sequences Attachments Draw, Desc | Image |

12. Document ID: US 3977961 A

L6: Entry 12 of 14

File: USPT

Aug 31, 1976

US-PAT-NO: 3977961

DOCUMENT-IDENTIFIER: US 3977961 A

TITLE: Heavy crude conversion

DATE-ISSUED: August 31, 1976

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Hamner; Glen P.

Baton Rouge

LΑ

US-CL-CURRENT: 208/59; 208/112, 208/251H, 208/264, 502/185, 502/313

Full Title Citation Front Review Classification Date Reference Sequences Attachments

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13. Document ID: US 3887455 A

L6: Entry 13 of 14

File: USPT

Jun 3, 1975

US-PAT-NO: 3887455

DOCUMENT-IDENTIFIER: US 3887455 A

TITLE: Ebullating bed process for hydrotreatment of heavy crudes and residua

DATE-ISSUED: June 3, 1975

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

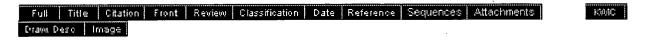
Hamner; Glen P.

Baton Rouge

LА

Clem; Kenneth R. Baton Rouge LΑ

US-CL-CURRENT: 208/112; 208/111.3, 208/111.35, 208/157, 208/216PP, 208/216R, 208/59, 209/158, 209/159, 209/172.5



14. Document ID: US 3884797 A

L6: Entry 14 of 14

File: USPT

May 20, 1975

US-PAT-NO: 3884797

DOCUMENT-IDENTIFIER: US 3884797 A

TITLE: Hydrofining-reforming process

DATE-ISSUED: May 20, 1975

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Alley, Jr.; Starling K.

Brea

CA CA

Attane, Jr.; Edward C.

Orange

US-CL-CURRENT: 208/89; 208/210

Full Title Citation Front	Review Classification	Date R	eference	Sequences	Attachments	KWIC	
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L4 and catalyst composite					14		

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